

26814 - Optometry II

Información del Plan Docente

Academic Year	2016/17
Academic center	100 - Facultad de Ciencias
Degree	297 - Degree in Optics and Optometry
ECTS	6.0
Course	2
Period	Second semester
Subject Type	Compulsory
Module	---

1.Basic info

1.1.Recommendations to take this course

1.2.Activities and key dates for the course

2.Initiation

2.1.Learning outcomes that define the subject

2.2.Introduction

3.Context and competences

3.1.Goals

3.2.Context and meaning of the subject in the degree

3.3.Competences

3.4.Importance of learning outcomes

4.Evaluation

5.Activities and resources

5.1.General methodological presentation

The general methodology of the subject is determined by the organization of matter within the optometry degree curriculum. Learning this matter is structured in the subjects of Optometry I and II and the Laboratory of Optometry.

The first two focuses on the theoretical and conceptual aspects of the subject and the latter is entirely oriented to learning practical aspects.

5.2.Learning activities

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Two types of training activities within the subject, with an equivalent weight (3 ECTS) in terms of workload for the student is offered.

Training activity I: Presentation and acquisition of basic knowledge of the subject matter.

The methodology is based primarily on lectures addressed to the whole group of students. It is complemented with tutorial care (individualized or in small groups).

Training activity II: Analysis of practical cases.

The methodology is based on classes with the widest possible interaction between teacher and students, promoted from the proposal and common discussion of practical cases to apply the concepts covered in the previous activity.

5.3.Program

The contents of the subject are grouped into the following blocks:

- 1.- Ophthalmic prisms. Prismatic effects of lenses.
- 2.- Overview of binocular anomalies.
- 3.- Fusion and stereopsis evaluation.
- 4.- Binocular vergence: characteristics and measurement.
- 5.- Heterophoria (associated and dissociated): measurement, analysis and treatment.
- 6.- Strabismus: classification, diagnosis, measurement and treatment.
- 7.- Anisometropia and aniseikonia. Aniseiconia measurement and management.

5.4.Planning and scheduling

The contents of the course are developed with the following scheme, indicating the extent of the different blocks introduced in "Brief presentation of the subject".

I Block 1: 14%

I Block 2: 9%

I Block 3: 8%

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5.5. Bibliography and recommended resources

- BB** Kanski, Jack J.. Oftalmología clínica / Jack J. Kanski ; fotógrafos, Irina Gout, Kulwant Sehmi, Anne Bolton ; ilustradores, Terry R. Tarrant, Phil Sidaway ; [revisión científica, Juan Antonio Durán de la Colina] . 6ª ed. Ámsterdam ; Barcelona ; Madrid [etc.] : Elsevier, cop. 2009
- BB** Martín Herranz, Raúl. Manual de optometría / Raúl Martín Herranz, Gerardo Vecilla Antolínez . Buenos Aires : Editorial Médica Panamericana, cop. 2011
- BB** Optometría pediátrica / Antonio López Alemany, editor . Xátiva : Ulleye, D. L. 2007
- BC** Optometry : science, techniques and clinical management / edited by Mark Rosenfield, Nicola Logan ; contributing editor, Keith Edwards . 2nd ed. Edinburgh [etc.] : Butterworth Heinemann, 2009